

From: [Appel, Patrick](#)
To: [Coltrain, Katrina](#); todd.downham@deq.ok.gov
Subject: Planning Meeting - 10-23-2018
Date: Wednesday, October 24, 2018 11:31:05 AM

Planning Meeting - 10-23-2018

Tuesday, October 23, 2018
10:21 AM

Remedial Investigation/Feasibility Study

- Groundwater
 - Survey information - sand creek and shallow groundwater
 - Shallow zone - map 30 feet or less
 - Install wells in hottest areas to determine downward migration
 - 6 wells to deeper depths - approximately 50 feet (identify water bearing zone and go 10-20 foot deeper to verify depth of the shallow water).
 - If no water is encountered then sample the soil
 - Sample VOCs, SVOCs, inorganics
 - Sampling - resample all wells and add the new wells
- Soil data gaps
 - Two residential properties

100ft x 100ft grids

5 point composites

Depths: 0-2, 2-6, 6-12, 12-24.

- Access is required
- ETF - sample to 2 feet (.5 - 2.0)
 - Todd wants to know if we can hand auger
 - Use geoprobe for Wilcox and other areas
 - Get as much done in 5 days, start at ETF
 - 5-7 staff (verify)
 - Cost estimate
 - Can CLP/Houston on Saturday - Katrina
- Priority - ETF and residential properties. Other areas can be left to RD/RA.
- Surface Water/Sediment
 - More samples at Wilcox near Tank 12 where its visible/olfactory
- Field Efforts
 - Well Installation - 11/12 or 11/26/2018 - +2
 - Soil sampling program - 12/3/2018 or 12/10/2018 - +5
 - Ground water sampling/surface water and sediment sampling - 12/10/2018 or

12/17/2018 +4

- HHRA/ERA - begin with the generic stuff

Remedial Design

- Site Management Plan
- Treatability Work Plan
 - Draft Due November 5th, 2018
 - Enviroblend - <https://www.enviroblend.com/>
 - Freeflow technologies <http://freeflowtech.com/>
 - Jcarpenter Environmental (Blastox)
 - <https://www.blastox.com/blastox-soil-remediation/>
 - <http://www.jcarpenterenvironmental.com/heavy-metal-treatment.html>
- Fieldwork -
 - Site visit within two weeks to look at access and traffic controls, etc.
 - Week of 11/26/2018
 - January 2019
- Design
 - Draft Pre/Final - March 21, 2019
 - Lead area - no backfill, required drainage controls (i.e. silt screens)
 - One drawing per area (nine areas as shown in the ROD)
 - Treatability reports
 - Discussion or excavation extent calculations and estimations - i.e. test pitting, sampling and analysis, visual.
 - Haul route map -
 - Access roads?
 - Tank 3
 - Tank 10 access - contact pipeline company regarding access for trucks to cross pipeline
 - Tank 10 and 11 - manipulate road for access (contact Ms. Nealy)
 - Enviroblend - <https://www.enviroblend.com/>
 - Freeflow technologies <http://freeflowtech.com/>
 - Jcarpenter Environmental (Blastox)
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 - <http://www.jcarpenterenvironmental.com/heavy-metal-treatment.html>
 - Potential archaeological finds at tanks 1 and 3 - mostly in the creek.
 - Traffic controls